

**ABSTRACT**

A digitally programmable DC voltage generator system having a programming circuit for controlling a control circuit of a voltage generator system. The programming circuit receives an input control signal, processes the input control signal, and generates an output control signal to the control circuit of the voltage generator system for controlling the control circuit in accordance with the input control signal. The control circuit includes a limiter circuit and an oscillator circuit. The output control signal controls at least one of the limiter circuit for disabling the oscillator circuit upon reaching a target output voltage, and the oscillator circuit for controlling the pumping speed of the oscillator circuit.

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